SW6 YUV A

SIX INPUT HDTV/COMPONENT VIDEO AND DIGITAL AUDIO SWITCHER

- Six inputs, one output
- 350 MHz (-3dB) video bandwidth
- Input autoswitch capabilities
- Inputs and outputs on BNC connectors
- 9-pin contact closure remote control connector
- RS-232 control
- Rugged metal enclosure
- Rack-mountable
- Internal international power supply

The Extron SW6 YUV A is a six input, one output switcher for HDTV/component video and digital audio signals. The unit will accept up to as many as six sources, routing the selected signal to an output device such as a monitor or VCR. The SW6 YUV A is ideal for installations such as multimedia production suites, rental and staging systems, home theaters and other applications requiring a high performance switcher.

DESCRIPTION

The Extron **SW6 YUV A** is a six input, one output HDTV/component video and digital audio switcher for DVD and HDTV signal switching. With 350 MHz (-3dB) video bandwidth, the SW6 YUV A is also compatible with RGBS, RGsB, RsGsBs, and RGBS (SCART) video signals.

The SW6 YUV A is user-configurable for manual or autoswitching modes. Autoswitching allows any input to be selected automatically when the switcher detects a source. For example, a number of wall plate receptacles can be installed around a room, each routed to a different input of a switcher. As soon as an active source is connected to the wall plate, the switcher automatically selects that input. The autoswitch function can be enabled or disabled via a toggle switch on the back panel.

The SW6 YUV A can be controlled via front panel buttons or through a 9-pin contact closure remote control port. The 9-pin female D connector enables RS-232 control, as well as compatibility with the optional Extron KP 6 Keypad Remote Control.

FEATURES

- **Inputs** – Six inputs for HDTV/component video and digital audio on BNC connectors.
- **Outputs** – Outputs on BNC connectors.
- **Autoswitching** – Allows any input to be selected automatically when the switcher detects a source.
- **RS-232 control** – A rear panel, RS-232 control port provides connection of the SW 6 YUV A switcher to a third party control system. Extron's Simple Instruction Set (SIS™) allows for quick and easy programming.
- **Contact Closure Control** – The rear panel 9-pin RS-232 connector also supports contact closure control and can be used with an optional KP 6 Keypad Remote Control.
- **Rack-mountable** – Full rack, 1U high width metal enclosures that can be mounted onto a rack without any additional hardware.
- **Internal international power supply** – The 100-240VAC, 50/60Hz, autoswitchable, internal power supply provides worldwide power compatibility.

SPECIFICATIONS

VIDEO

Gain	Unity
Bandwidth	350 MHz (-3dB)
Differential phase error	1.0˚, 0 to 350 MHz
Differential gain error	1.0%, 0 to 350 MHz
Crosstalk	-70dB @ 10 MHz
Switching speed	5 ms (max.)

VIDEO INPUT

Number/signal type	6 component video and digital audio or RGBS, RGsB, RsGsBs, component video, S-video, composite video
Connectors	6 x 4 BNC female
Minimum/maximum levels	Analog–0.3V to 1.5V p-p with no offset
Impedance	75 ohms
Return loss	-30dB @ 10 MHz
Maximum DC offset	5.0V

VIDEO OUTPUT

Number/signal type	1 component video and digital audio or RGBS, RGsB, RsGsBs, component video, S-video, composite video
Connectors	4 BNC female
Impedance	75 ohms

SPECIFICATIONS

SYNC

Input type	RGBS, RGsB, RsGsBs
Output type	RGBS, RGsB, RsGsBs
Input level	Analog or TTL, 0.5V to 5.0V p-p
Output level	5.0V p-p (if not terminated)
Input impedance	510 ohms
Output impedance	75 ohms
Max input voltage	5.0V p-p
Max. propagation delay	35 ns
Max. rise/fall time	4 ns
Polarity	Positive or negative (follows input)

DIGITAL AUDIO

Input type	Dolby Digital, DTS, AES/EBU
Output type	Dolby Digital, DTS, AES/EBU
Sampling rates	32, 44.1, 48, 96 kHz
Input level	0.5V to 5.0V p-p
Output level	2.5V p-p (when terminated with 75 ohms)
Input impedance	510 ohms
Output impedance	75 ohms
Max input voltage	5.0V p-p
Max. propagation delay	35 ns
Max. rise/fall time	4 ns

CONTROL/REMOTE — SWITCHER

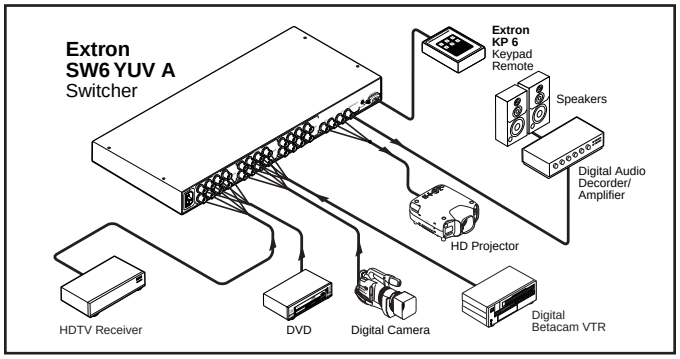
Serial control port	RS-232, 9-pin female D connector (same as the contact closure port)
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Contact closure	9-pin female D connector (same as the RS-232 port)
Contact closure pin configurations	1 = input #1, 4 = input #2, 6 = input #3, 7 = input #4, 8 = input #5, 9 = input #6
Program control	Extron's control program for Windows® Extron's Simple Instruction Set™ – SIS™

GENERAL

Power	100VAC to 240VAC, 50/60 Hz, 20 watts, internal, autoswitchable
Rack mount	
SW2 RGBHV, SW2 RGBHV A	Yes, with optional rack shelf, part #60-190-01
All other models	Yes, with included bracket kit, part #70-077-03
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.5" W x 8.5" D (1U high, full rack width) 4.4 cm H x 44.5 cm W x 21.6 cm D (Depth excludes connectors.)
Product weight	7.0 lbs (3.2 kg)
Shipping weight	12 lbs (5.4 kg)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES

Model	**Part Number**
SW6 YUV A	60-498-01

APPLICATION DIAGRAM



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